V&V Reference Report
L2 ASCDS Version : 10.9.1

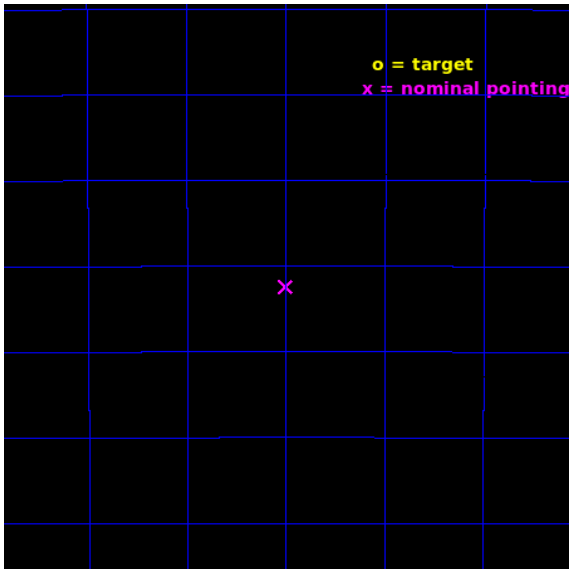
Observation 5312 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Sep 26 2020

Contents

1 Front

seq_num	100052	Sequence number
obs_id	5312	Observation id
title	Chandra by Chandra	Proposal title
observer	Dr. Jeremy Drake	Principal investigator
object	Moon	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	232.99982879531	Nominal RA [deg]
dec_nom	-42.374079763326	Nominal Dec [deg]
roll_nom	318.21672466967	Nominal Roll [deg]
revision	5	Processing version of data
ontime	0.0	[s]
livetime	0.0	Ontime multiplied by DTCOR
l2events	0	Number of level 2 events

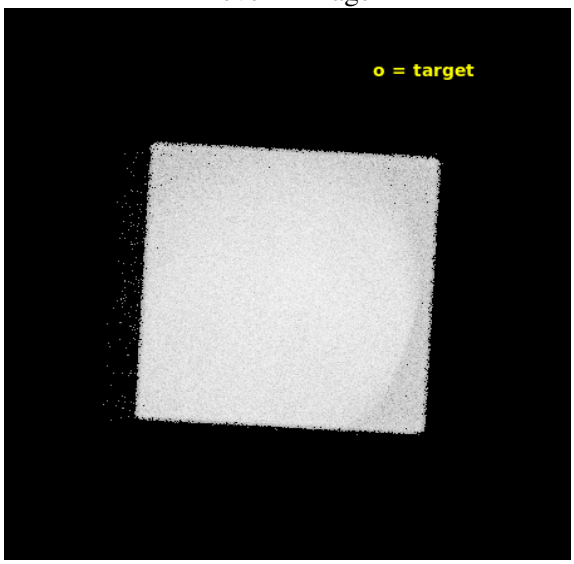


2 OBI

2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events

2.1.2 Parameters

obi_num	0	Obi number
ascdsver	10.9.1	Processing system revision
caldbver	4.9.2	
date	2020-09-26T10:20:02	Date and time of file creation
revision	5	Processing version of data

sched_exp_time	5600.000000	[s] Scheduled observation exposure time
ontime	0.0	[s]
l1events	575430	Number of level 1 events

2.1.3 Events

Level 1 Events

	segment 0
level 1 events	575430
rejected events	0
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	232.9998007159992	232.9998287953138
[deg] Pointing Dec	-42.37406128912572	-42.37407976332633
[deg] Pointing Roll	318.216705738295	318.2167246696664
[s] Window start time (MET)	202552264.184000	202552264.184000
[s] Window stop time (MET)	202568464.184000	202568464.184000
[mm] SIM focus pos	-1.0388663562	-1.0388663562
[mm] SIM defocus	0.00142623215544524	0.00142623215544524
[mm] SIM translation stage pos	126.9854943053	126.9854943053
[mm] SIM translation stage offset	-1.219291334564332e-11	-1.219291334564332e-11
Phase constraints	Y	Y
[d] Phase period	29.500000	29.500000
[d] Phase epoch (MJD)	52585.000000	52585.000000
Phase start	0.470000	0.470000
Phase end	0.530000	0.530000
Phase start error	0.300000	0.300000
Phase end error	0.300000	0.300000
[s] Observation start time (MET)	202552845.341911	202552845.341911
Observation start date	2004-06-02T08:41:00	2004-06-02T08:40:45

Parameter	Planned	Actual
Obspar format version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.679

A.2 Comments

```
Window constraint met.
Phase constraint met after the initial 350 seconds of the observation.
===
Because the OBC aspect solution was used, there are no L2 events, and
consequently no GTIs. Charge time is taken from the L1 ontime instead.
===
This is an observation of a moving target. Users will need to run
sso_freeze or similar software to position the events in the reference
frame of the target.
```